

Title (en)  
MOBILE TERMINAL

Title (de)  
MOBILES ENDGERÄT

Title (fr)  
TERMINAL MOBILE

Publication  
**EP 3503510 A1 20190626 (EN)**

Application  
**EP 18187180 A 20180803**

Priority  
KR 20170178630 A 20171222

Abstract (en)  
A mobile terminal (100) includes a front case (101) accommodating a display (151) on a front surface and having a receiver (110) for outputting a sound, a rear case (102) coupled to one side of the front case (101), a rear cover (103) covering a rear portion of the rear case (102) to form an appearance and having an air vent hole (130) allowing air to flow in and out to maintain predetermined pressure, and a circuit board (181) installed between the front case (101) and the rear case (102), wherein an air flow port (120) is formed on an inner side surface of the rear cover (103) and protrudes from the rear cover (103) toward the rear portion of the case to guide movement of air formed by an external force acting on the rear cover (103).

IPC 8 full level  
**H04M 1/02** (2006.01); **H04M 1/03** (2006.01); **H05K 7/20** (2006.01); **H04M 1/18** (2006.01)

CPC (source: EP KR US)  
**G06F 1/203** (2013.01 - US); **H04M 1/0202** (2013.01 - EP US); **H04M 1/026** (2013.01 - KR); **H04M 1/0277** (2013.01 - US);  
**H04M 1/0279** (2013.01 - US); **H04M 1/035** (2013.01 - EP US); **H05K 5/0213** (2013.01 - EP US); **H04M 1/18** (2013.01 - EP US)

Citation (search report)  
• [XAI] US 2017251564 A1 20170831 - JUN SUNG-SOO [KR], et al  
• [XAI] WO 2012073513 A1 20120607 - PANASONIC CORP [JP], et al  
• [A] US 2011059717 A1 20110310 - MUCH MICHAEL [US], et al

Cited by  
EP4024834A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3503510 A1 20190626**; **EP 3503510 B1 20200429**; KR 20190076658 A 20190702; US 10503221 B2 20191210; US 2019196560 A1 20190627

DOCDB simple family (application)  
**EP 18187180 A 20180803**; KR 20170178630 A 20171222; US 201816055816 A 20180806